

Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				Application Number	10/655,920
				Filing Date	September 5, 2003
				First Named Inventor	Hassan Mostafavi
				Art Unit	3737
				Examiner Name	Lauritzen, Amanda L.
Sheet	1	of	3	Attorney Docket Number	VM 03-006-US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	1	ADAMS, W.B. et al. "Correlator Compensation Requirements for Passive Time-Delay Estimation with Moving Source or Receivers" IEEE (April, 1980) ASSP-28(2):158-168.		
	2	AHLSTROM, K.H. et al. "Pulmonary MR Angiography with Ultrasmall Superparamagnetic Iron Oxide Particles as a Blood Pool Agent and a Navigator Echo for Respiratory Gating: Pilot Study" Radiology (June 1999) 211(3):865-869.		
	3	AXEL, L. et al. "Respiratory Effects in Two-Dimensional Fourier Transform MR Imaging" Radiology (Sept. 1986) 160(3):795-801.		
	4	BALTER, J.M. et al.; "Uncertainties In CT-Based Radiation Therapy Treatment Planning Associated With Patient Breathing"; Int. J. Radiat. Oncol., Biol., Phys. 36; pp. 167-174 (August 1996).		
	5	BANKMAN, I.N. et al. "Optimal Detection, Classification, and Superposition Resolution in Neural Waveform Recordings" IEEE ) August, 1993) 40(8):836-841).		
	6	BARONI, G. and G. Ferrigno "Real-time Motion Analysis for Definition and Control of Patient Position in Radiotherapy" SPIE 0-81942084-096 2709:506-515.		
	7	BELLENGER, N.G. et al.; "Left Ventricular Quantification In Heart Failure By Cardiovascular MR Using Prospective OS Respiratory Navigator Gating: Comparison With Breath-Hold Acquisition"; J. Magn. Reson. Imaging 11; pp. 411- 417; (April 2000).		
	8	CHO, K. et al.; "Development Of Respiratory Gated Myocardial SPECT System", J. Nucl. Cardiol. 6; pp. 20-28; (Jan./Feb. 1999).		
	9	DANIAS, P.G. et al. "Prospective Navigator Correction of Image Position for Coronary MR Angiography" Radiology (June 1997) 203:733-736.		
	10	DAVIES, S.C. et al.; "Ultrasound Quantitation Of Respiratory Organ Motion in The Upper Abdomen"; Br. J. Radiol. 67; pp. 1096-1102 (November 1994).		
	11	DU, Y.P. "Prospective navigator gating with a dual acceptance window technique to reduce respiratory motion artifacts in 3D MR coronary angiography" Int'l J. Cardiovascular Imaging (2003) 19:157-162.		
	12	DU, Y.P. et al. "A comparison of prospective and retrospective respiratory navigator gating in 3D MR coronary angiography" Int'l J. Cardiovascular Imaging (2001) 17:287-294.		
	13	EHMAN, R.L. et al.; "Magnetic Resonance Imaging With Respiratory Gating: Techniques and Advantages"; Am. J. Roentgenol 143; pp. 1175-1182 (December 1984).		
	14	FEE, M.S. et al. "Automatic Sorting of Multiple Unit Neuronal Signals in the Presence of Anisotropic and non-Gaussian Variability" J. Neuroscience Methods (1996) 69:175-188.		
	15	FELBLINGER, J. et al. "Effects of physiologic motion of the human brain upon quantitative H-MRS: analysis and correction by retrogating" NMR in Biomedicine (1998) 11:107-114.		
	16	FISHBEIN, K.W. et al. "The lever-coil: A simple, inexpensive sensor for respiratory and cardiac motion in MRI experiments" Magnetic Resonance Imaging (2001) 19:881-889.		

PA/ALO/TO 79937 (2K)	Date Considered
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). See Kinds/Codes of USPTO Patent Documents at www.uspto.gov or MPEP 900.04. *Enter Office code that issued the document, by the two letter code (USPTO Standard ST 3). *For Japanese patent documents, the indication of the year of the origin of the invention must precede the serial number of the patent document. *Kind of document by the appropriate symbol as indicated on the document under WIPO Standard ST 16.4 if possible. *Applicant to attach a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is not provided by 38 U.S.C. 122 and 19 CFR 1.4. This collection is claimed to be 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORM TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</small>	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.L./

Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Application Number	10/655,920
		Filing Date	September 5, 2003
		First Named Inventor	Hassan Mostafavi
		Art Unit	3737
		Examiner Name	Lauritzen, Amanda L.
Sheet	2	of	3
		Attorney Docket Number	VM 03-006-US

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	17	FROLICH, H. et al.; "A Simple Device For Breath-Level Monitoring During CT"; Radiology 156; p. 235 (July 1985).	
	18	GÉRIG, L.H. et al. "The Development and Clinical Application of a Patient Position Monitoring System" Ottawa Regional Cancer Centre, General Division, 501 Smyth Rd., Ottawa, Ontario, Canada K1H8L6; National Research Council, IIT, Ottawa, Ontario, Canada K1A 0R6; SPIE Videometrics III (1994) 2350:59-72.	
	19	HAACKE, E.M. and G.W. Lenz "Improving MR Image Quality in the Presence of Motion by Using Rephasing Gradients" AJR (June 1987) 148:1251-1258.	
	20	HANLEY, J. et al.; "Deep Inspiration Breath-Hold Technique For Lung Tumors: The Potential Value of Target CS Immobilization And Reduced Lung Density In Dose Escalation"; Int. J. Radiat. Oncol., Biol. Phys. 45; pp. 603-611 (October 1999).	
	21	HENKELMAN, R.M. et al.; "How Important Is Breathing In Radiation Therapy Of The Thorax?"; Int. J. Radiat. Oncol., Biol., Phys. 8; pp. 2005-2010 (November 1982).	
	22	HOFFMAN, M.B.M. et al.; "MRI Of Coronary Arteries: 20 Breath-Hold vs. 3D Respiratory-Gated Acquisition"; J. of Compo Assisted Tomography 19; pp. 56-62 (Jan. Feb. 1995).	
	23	HUBER, A. et al. "Navigator Echo-Based Respiratory Gating for Three-Dimensional MR Coronary Angiography: Results from Healthy Volunteers and Patients with Proximal Coronary Artery Stenoses" AJR (July 1999) 173:95-101.	
	24	IWASAWA, Tae. et al.; "Normal In-Plane Respiratory Motion of the Bilateral Hemidiaphragms Evaluated By Sequentially Subtracted Fast Magnetic Resonance Images"; Journal of Thoracic Imaging; 1999; Vol. 14, No.2; pp. 130-134.	
	25	JOHNSON, L.S. et al.; "Initial Clinical Experience With A Video-Based Patient Positioning System"; Int. J. Radiat. Oncol. Biol. Phys. 45; pp. 205-213; (August 1999).	
	26	JOLESZ, Ferenc M.D., et al.; "Image-Guided Procedures And The Operating Room Of The Future"; Radiology; SPL Technical Report #48; May 1997: 204:601-612.	
	27	JOSEFSSON, T. et al. "A Flexible High-Precision Video System for Digital Recording of Motor Acts Through Lightweight Reflex Markers" Computer Methods & Programs in Biomedicine (1996) 49:119-129.	
	28	KACHELRIESS, Marc. et al.; "Electrocardiogram-correlated Image Reconstruction From Subsecond Spiral Computed Tomography Scans Of The Heart"; Med. Phys. 25(12); December 1998; pp. 2417-2431.	
	29	KEATLEY, E. et al.; "Computer Automated Diaphragm Motion Quantification in a Fluoroscopic Movie"; Dept. of Medical Physics, Memorial Sloan-Kettering Cancer Center, New York; 3 pps. 1749-1751	
	30	KIM, W.S., et al.; "Extension of Cardiac and Respiratory Motion Cycles by Use of Projection Data and Its Applications to NMR Imaging"; Magnetic Resonance in Medicine 13; 1990; pp. 25-37.	
	31	KORIN, H.W. et al.; "Respiratory Kinematics Of The Upper Abdominal Organs: A Quantitative Study"; Magn. Reson. Med. 23; pp. 172-178 (January 1992).	

PALOALTO 79937 (2K)	Date Considered
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 900.04. *Enter Office that issued the document, by the two letter code (USPTO Standard 57.3). For Japanese patent documents, the indication of the year of the origin of the invention must precede the serial number of the patent document. *Kind of document by the appropriate symbol as indicated on the document under WIPO Standard 10.16 if possible. *Applicant to replace a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or obtain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is not provided by 38 U.S.C. 122 and 37 CFR 1.6. This collection is intended to reduce the burden of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORM TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</small>	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.L./

Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Application Number	10/655,920
		Filing Date	September 5, 2003
		First Named Inventor	Hassan Mostafavi
		Art Unit	3737
		Examiner Name	Lauritzen, Amanda L.
Sheet	3	of	3
		Attorney Docket Number	VM 03-006-US

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	32	KUBO, H.D. et al.; "Breathing-Synchronized Radiotherapy Program at the University of California Davis Cancer Center"; Med. Phys. 27(2); February 2000; pp. 346-353.	
	33	KUBO, H.D. et al.; "Compatibility Of Varian 2100C Gated Operations With Enhanced Dynamic Wedge And IMRT Dose Delivery"; Med. Phys. 27; pp. 1732-1738; (August 2000).	
	34	KUBO, H.D. et al.; "Potential and Role of a Prototype Amorphous Silicon Array Electronic Portal Imaging Device in Breathing Synchronized Radiotherapy"; Med. Phys. 26(11); November 1999; pp. 2410-2414.	
	35	KUBO, H.D. et al.; "Respiration Gated Radiotherapy Treatment: A Technical Study"; Phys. Med. Biol. 41; pp. 83-91;(1996).	

/Amanda L. Lauritzen/

04/28/2010

PALOALTO 79937 (2K)	Date Considered
---------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in accordance with MPEP 609. Draw line through citation if not in accordance and not considered. Include copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. \*Enter Office that issued the document, by the two letter code (WIPO Standard ST 3). For Japanese patent documents, the indication of the year of the grant of the Japanese must precede the serial number of the patent document. \*Kind of document by the appropriate symbol as indicated on the document under WIPO Standard ST 16.4 (optional). \*Applicant to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 38 U.S.C. 122 and 17 CFR 1.414. This collection is intended to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORM TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.L./